

Claims

1. A watch comprising civil time display means (12, 16 ; 48), solar time display means (13, 18 ; 50, 52) and means of correction (24, 34, 36) of said displays, characterized in that said means of correction are arranged in such a way as to allow a relative manual desynchronization of the civil time and solar time display means, and in that it furthermore comprises means for displaying said desynchronization (20, 22 ; 13a).
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2. The watch as claimed in claim 1, characterized in that the solar time display means comprise a solar time hand (18) performing one revolution in twenty-four hours.
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3. The watch as claimed in claim 1, characterized in that the solar time display means comprise a solar time hand performing one revolution in twelve hours (50) and a disk (52) performing one revolution in twenty-four hours, driven in synchronism with said hand (50) and carrying an index (52a), indicating north, which hand is disposed in such a way that the hand (50) and the index (52a) are superimposed when the hand (50) displays midnight.
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4. The watch as claimed in claim 2, characterized in that:
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 - the civil time display means comprise an hour hand (16) performing one revolution in twelve hours and a first dial (12), fixed, the upper part of which corresponds to the display of midday and midnight,
 - the solar time display means comprise a second dial (13), fixed, indicating twenty-four hours over one revolution, the upper part of which corresponds to the display of midnight,
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 - the means of correction comprise a desynchronizer (34) disposed between the civil time display means and the solar time display means and making it possible to desynchronize the solar time hand (18) with reference to the hour hand (16), and

- said desynchronizer (34) is furnished with display means (20, 22), to indicate the desynchronization exhibited by the solar time hand (18) with respect to the civil time hand (16).

5. The watch as claimed in claim 2, characterized in that:

- 5 - the civil time display means comprise an hour hand (16) performing one revolution in twelve hours and a first dial (12), fixed, the upper part of which corresponds to the display of midday and midnight,
- 10 - the solar time display means comprise a second dial (13), mobile in rotation, indicating twenty-four hours over one revolution, the upper part of which corresponds to the display of midnight,
- 15 - the means of correction (24) are arranged to allow the rotation of the second dial (13) with reference to the first dial, in such a way as to desynchronize their scales, and
- the first and the second dial comprise the one an index (12a) and the other a scale (13a) to allow the adjustment of the desynchronization.

6. The watch as claimed in one of claims 4 and 5, characterized in that the second dial (13) carries an index (13b), disposed in such a way that it is superimposed on said hand (18) when the latter displays midnight, so that said index (13b) shows geographical north when said hand (18) is aimed at the sun.

7. The watch as claimed in one of claims 2 to 6, characterized in that the solar time hand (18, 50) comprises an aiming member to allow its orientation toward the sun, comprising a body (18a) fixed to a runner of the watch, an index (18b) lying above the body (18a), and a target (18c), integral with the body (18a) and onto which the shadow of the index (18b) can be projected.

8. The watch as claimed in one of claims 1 to 7, characterized in that it comprises, furthermore, means of correction (38, 40, 42) of the equation of time.
- 5 9. The watch as claimed in claim 8, characterized in that the means of correction of the equation of time (38, 40, 42) comprise means of display (23) of the position of the earth on the ecliptic.